IHCAb™ Arginase-1 mouse mAb (BGT262)

Cat #: B-IMW6819

Size: 100 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Background

Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia. Two transcript variants encoding different isoforms have been found for this gene.

Product Information

Applications/Dilution: IHC-p 1:100-500, WB 1:200-1000, IF 1:100-500

Isotype/Source: Mouse, Monoclonal/IgG1, Kappa

Specificity: The antibody can specifically recognize human Arginase-1 protein.

Subcellular Location: Cytoplasm . Cytoplasmic granule . Localized in azurophil granules of neutrophils (PubMed:15546957)

Expression: Within the immune system initially reported to be selectively expressed in granulocytes (polymorphonuclear leukocytes [PMNs]) (PubMed:15546957). Also detected in macrophages mycobacterial granulomas (PubMed:23749634). Expressed in group2 innate lymphoid cells (ILC2s) during lung disease (PubMed:27043409)

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.45% sodium azide

Storage: Store at -15°C to -25°C

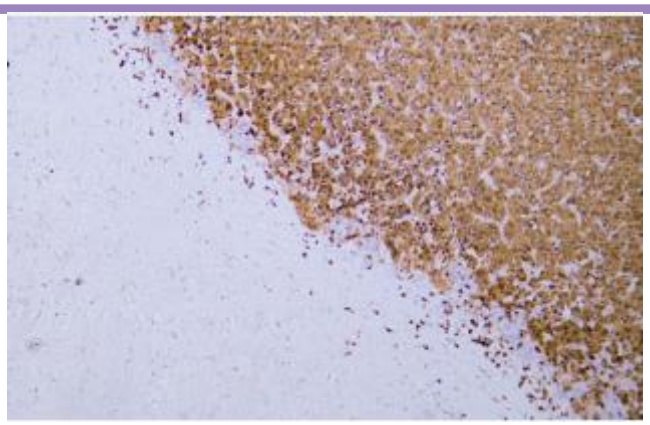

Fig. Human hepatocelluar carcinoma tissue was stained with anti-Arginase-1 antibody.

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.